

DOCKET NO.: TER-002.3P D4



Gp 2631

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Art Unit:	2631
)		
RAKIB, et al.	)	Examiner:	unknown
)		
Serial No.: 09/759,774	)	Docket No.:	TER-002.3P D4
)		
Filed: 1/12/2001)		
)		
For: APPARATUS AND METHOD FOR TRELLIS ENCODING DATA FOR TRANSMISSION IN DIGITAL DATA TRANSMISSION SYSTEMS)		

Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97(c) and § 1.98, the undersigned would like to make the following prior art references of record in the above-identified patent application. The undersigned believes that some of these references may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.

Each reference listed herein may be accompanied by an explanation of its relevance. While this explanation is believed to generally reflect the contents of the references which the undersigned believes a reasonable examiner might consider relevant and material to the examination of the above-identified patent application, it is not intended that the examiner rely on the description as unfaithfully accurate or complete.

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Cited Art

Pursuant to 37 CFR §1.97, applicants are bringing to the attention of the Examiner all art cited in the parent cases 08/895,612 filed 07/16/97, 08/684,243 filed 07/19/96, 08/588,650 filed 01/19/96, 08/519,630 filed 08/25/95, and 08/760,412 filed 12/04/96.

Sixteen (16) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. On Patent Application 08/684,243 on April 19, 2001. Copies of Form PTO-1449 and the Information Disclosure Statement are attached. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Eight (8) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on July 17, 2000. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

One (1) reference cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on October 8, 1999. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Seven (7) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on April 14, 1999. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

One (1) reference cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on April 30, 1998. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Eight (8) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on March 11, 1998. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Sixty-eight (68) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on October 7, 1997. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Respectfully submitted,

Ronald Craig Fish

Reg. No. 28,843

Attorney for Applicant(s)

Dated: April 21, 2001

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 (Date Of Deposit)

Ronald Craig Fish, President
Ronald Craig Fish a Law Corporation
Reg. No. 28,843



DOCKET NO.: TER-002.2P

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Art Unit:	2711
)		
RAKIB, et al.	)	Examiner:	unknown
)		
Serial No.: 08/684,243	)	Docket No.:	TER-002.2P
)		
Filed: 07/19/96)		
)		
For: <u>APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES</u>			

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Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.97(c), the undersigned would like to make the following prior art references of record in the above-identified patent application. An office action has already been received but no final action or notice of allowance has been received. The undersigned believes that these references are not material to the examination of this application and in respect of which there may be no duty to disclose in accordance with 37 C.F.R. §1.56. However, since the definition of materiality under the revised rules is still subjective, these references are being submitted to the Examiner so that he can make his own judgment regarding their materiality.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.



Each reference listed herein may be accompanied by an explanation of its relevance.

While this explanation is believed to generally reflect the contents of the references which the undersigned believes a reasonable examiner might consider relevant and material to the examination of the above-identified patent application, it is not intended that the examiner rely on the description as unfailingly accurate or complete. A copy of each reference is enclosed for the express purpose of providing the examiner with an opportunity to perform an independent evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

The fee required by 37 C.F.R. §1.17(p) is enclosed herewith.

Cited References

Moura, et al., U.S. Patent Re. 35,774, Filed Nov. 16, 1994, Patent Date Apr. 21, 1998.

Seth-Smith, et al., U.S. Patent 4,829,569, Filed Jul. 8, 1986, Patent Date May 9, 1989.

Yee, U.S. Patent 4,894,789, Filed Feb. 22, 1988, Patent Date Jan. 16, 1990.

Hoarty, et al., U.S. Patent 5,093,718, Filed Sep. 28, 1990, Patent Date Mar. 3, 1992.

Heffner, III, U.S. Patent 5,130,983, Filed Mar. 27, 1990, Patent Date Jul. 14, 1992.

Ballantyne, et al., U.S. Patent 5,133,079, Filed Aug. 28, 1990, Patent Date Jul. 21, 1992.

Wilson, et al., U.S. Patent 5,195,092, Filed Aug. 30, 1991, Patent Date Mar. 16, 1993.

Wheeler, et al., U.S. Patent 5,200,993, Filed May 10, 1991, Patent Date Apr. 6, 1993.

Litteral, et al., U.S. Patent 5,247,347, Filed Sep. 27, 1991, Patent Date Sep. 21, 1993.

Blahut, U.S. Patent 5,373,288, Filed Oct. 23, 1992, Patent Date Dec. 13, 1994.

Gusella, et al., U.S. Patent 5,408,465, Filed Jun. 21, 1993, Patent Date Apr. 18, 1995.

Hoarty, et al., U.S. Patent 5,550,578, Filed Oct. 6, 1994, Patent Date Aug. 27, 1996.

Safadi, U.S. Patent 5,572,517, Filed Mar. 10, 1995, Patent Date Nov. 5, 1996.

Shuen, U.S. Patent 5,572,528, Filed Mar. 20, 1995, Patent Date Nov. 5, 1996.



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PATENT

Moura, et al., U.S. Patent 5,828,655, Filed Aug. 21, 1996, Patent Date Oct. 27, 1998.

Philips, European Patent Application EP 0 767 544 A2, Filed Oct. 13, 1996, Publication Date Apr. 9, 1997.

Dated: April 19, 2001

Respectfully submitted,

Ronald Craig Fish

Reg. No. 28,843

Attorney for Applicant(s)

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Ronald Craig Fish a Law Corporation
Reg. No. 28,843

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Art Unit:	2711
)		
RAKIB, et al.)	Examiner:	unknown
)		
Serial No.: 08/684,243)	Docket No.:	TER-002.2P
)		
Filed: 07/19/96)		
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For: APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES

Honorable Commissioner
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Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§1.97-1.98, the undersigned would like to make the following prior art references of record in the above-identified patent application. The undersigned believes that some of these references may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.

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the express purpose of providing the examiner with an opportunity to perform an independent evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

Cited References

Omura, et al., U.S. Patent 5,157,686, Filed Jun. 24, 1991, Patent Date Oct. 20, 1992.

Omura, U.S. Patent 5,164,958, Filed Jul. 19, 1991, Patent Date Nov. 17, 1992.

Omura, et al., U.S. Patent 5,166,952, Filed May 24, 1990, Patent Date Nov. 24, 1992.

Omura, et al., U.S. Patent 5,253,268, Filed Jun. 24, 1991, Patent Date Oct. 12, 1993.

Horiguchi, U.S. Patent 5,737,329, Filed Apr. 12, 1996, Patent Date Apr. 7, 1998.

Arai, U.S. Patent 5,930,235, Filed Feb. 28, 1997, Patent Date Jul. 27, 1999.

Bruckert, et al., U.S. Patent 5,822,359, Filed Oct. 17, 1994, Patent Date Oct. 13, 1998.

Ishikawa, et al., U.S. Patent 5,610,911, Filed Sep. 28, 1994, Patent Date Mar. 11, 1997.

Respectfully submitted,



Ronald Craig Fish

Reg. No. 28,843

Attorney for Applicant(s)

Dated: July 17, 2000

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Ronald Craig Fish, President

Ronald Craig Fish a Law Corporation

Reg. No. 28,843

DOCKET NO.: TER-002.2P



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Art Unit:	2602
)		
RAKIB, et al.	)	Examiner:	unknown
)		
Serial No.: 08/684,243	)	Docket No.:	TER-002.2P
)		
Filed: July 19, 1996)		
)		
For: <u>APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES</u>			

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Washington, D.C. 20231

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Sir:

Pursuant to 37 C.F.R. §§1.97-1.98, the undersigned would like to make the following prior art references of record in the above-identified patent application. The undersigned believes that these references may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.

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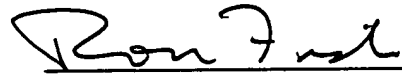
evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

Cited Art

"A Wireless Multimedia Network on a Time Division Duplex CDMA/TDMA". Seki K. et al., *IEICE Transactions on Communications*, vol. E78-B, No. 7, 1 July 1995, pages 1002-1015, XP000532484.

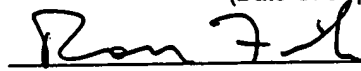
Respectfully submitted,

Dated: 10/3/99



Ronald Craig Fish
Reg. No. 28,843
Attorney for Applicant(s)

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Ronald Craig Fish, President
Ronald Craig Fish a Law Corporation
Reg. No. 28,843